



Regional District of Nanaimo - Water Services Department

Westerne Heights Water Analysis - 2024 Monthly Report

Date	Sample Location (Address)	BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer								
		E. coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	pH	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Turbidity (NTU)
3-Jan-24	1263 Westerne Heights	0	0	0	0	6	7.03	0.64	46.7	0.05	99.2	0.34
24-Jan-24	1252 Westerne Hts	0	0	0	0	7		0.41				0.39
24-Jan-24	1260 Westerne Hts	0	0	0	0	8	6.90	0.39	45.1	0.04	95.7	0.32
31-Jan-24	1252 Westerne Hts	0	0	0	0	n/a	7.33	0.37	44.7	0.04	94.8	0.40
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

Legend:

* Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)

Green font indicates a value flagged for operational consideration

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

Comments:

Notes below about pH (2015) from https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.



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6-Feb-24	1263 Westurne Hts	0	0	0	0	7	6.94	0.49	46.7	0.05	99	0.19
14-Feb-24	1260 Westurne Hts	0	0	0	0	8	6.75	0.67	45.3	0.04	96.0	0.29
21-Feb-24	1252 Westurne Hts	0	0	0	0	8	6.94	0.31	44.1	0.04	93.6	0.40
28-Feb-24	1252 Westurne Hts	0	0	0	0	8	7.31	0.64	45.9	0.05	97.6	0.22
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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4-Mar-24	1263 Westerne Hts	0	0	0	0	7	7.25	0.47	45.0	0.04	95.5	0.15
19-Mar-24	1263 Westerne Hts	0	0	0	0	8	7.04	0.50	44.2	0.04	93.6	0.37
26-Mar-24	1260 Westerne Hts	0	0	0	0	9	7.51	0.38	34.0	0.03	73.0	0.37
26-Mar-24	1252 Westerne Hts	0	0	0	0	9	n/a	0.42	n/a	n/a	n/a	0.35
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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9-Apr-24	1263 Westurne Hts	0	0	0	0	10	6.84	0.41	44.5	0.04	94.6	0.30
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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